Index to Volume 43

July-December, 1975

AANS
Our underpinnings: a bicentennial view. The 1975 Harvey Cushing oration, 515
Professional liability: statement to the Subcommittee on Health, Committee of Labor and Public Welfare, Washington DC, on behalf of the AANS, 118
The "future trends" in neurosurgery are here. The 1975 AANS presidential address, 651
Abscess
Extradural guinea-worm abscess. Report of two cases, 627
ACHARI AN. See Aoyagi M, 689
Adenomas
Pituitary adenomas of adolescents, 437
Adenosine triphosphate
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
Adrenergic mechanisms
Anatomical mapping of the cerebral nervi vasorum in the human brain, 559
AJMONE MARSAN C. See Van Buren JM, 596
ALEXANDER E JR. Book review, 377
———. See Friedlander WJ, 122
ALLEN MB JR. Book review, 778
AMMOUMI AA, SHER JH, SCHMELKA D. Spinal cord compression by extramedullary hemopoietic tissue in sickle cell anemia. Case report, 483
AMUNDSEN P. See Skalpe IO, 432
Anastomosis
Central functional changes after facial-spinal-accessory anastomosis in man and facial-hypoglossal anastomosis in the cat, 181
Persistent proatlantal artery with carotid-vertebral anastomosis. Case report, 499
Regional cerebral blood flow studies following superficial temporal-middle cerebral artery anastomosis, 706
ANDERSON RE. See Heilbrun MP, 706
ANDY OJ. Book review, 779
Anesthesia
Intrathecal saline injections for control of pain. Letter to the editor, 510
Intrathecal saline injections for control of pain. Response. Letter to the editor, 510
Aneurysms
Application of nasopharyngeal mirror for aneurysm operation. Technical note, 244
Complete embolization of artery of Adamkiewicz to obliterate an intramedullary arteriovenous aneurysm. Case report, 486
Giant suprasellar aneurysm associated with optic stalk agenesis and unilateral anophthalmos. Case report, 495
Management of ischemic complications after subarachnoid hemorrhage, 418
Mechanisms of contractile response of cerebral artery to externally-applied fresh blood, 37
Proximal occlusion of the anterior cerebral artery for anterior communicating aneurysm, 426
Quality of survival following direct surgery for anterior communicating artery aneurysms, 58
Screw-clamp stenosis for internal carotid aneurysms. Letter to the editor, 122
Treatment of internal carotid bifurcation aneurysms by direct surgery, 343
Angiography
Bedside evacuation of chronic subdural hematomas. Letter to the editor, 381
Bedside evacuation of chronic subdural hematomas. Response. Letter to the editor, 381
Complete embolization of artery of Adamkiewicz to obliterate an intramedullary arteriovenous aneurysm. Case report, 486
Enlargement of an arteriovenous malformation documented by angiography. Case report, 767
High-speed angiography. Letter to the editor, 509
High-speed angiography. Response. Letter to the editor, 509
Successful surgical treatment of bilateral carotid-cavernous fistulas. Case report, 357
Angiospasm
Anatomical mapping of the cerebral nervi vasorum in the human brain, 559
Anophthalmos
Giant suprasellar aneurysm associated with optic stalk agenesis and unilateral anophthalmos. Case report, 495
Antibiotics
Analysis of the treatment of basilar skull fractures with and without antibiotics, 721
Anticoagulants
Cerebral hemorrhage following heart surgery, 671
Antipyrine-^{14}C
Blood flow in normal and injured monkey spinal cord, 162
ANTUNES ÁCM, RIBEIRO TR. Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases, 481
AOYAGI M, MEYER JS, DESHMUKH VD, OTT EO, TAGASHIRA Y, KAWAMURA Y, MATSUDA M, ACHARI AN, CHEE ANC. Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
———. See Kawamura Y, 676
Apnea
Miniature intravascular pCO_2 sensors in neurosurgery, 172
APUZZO MLJ. See Heiden JS, 732
———. See Kurze T, 637
Arachnoid
Agenesis of arachnoid granulations and its

relationship to communicating hydrocephalus, 553
ARAUJO JC. See Nijensohn DE, 197
Arterial spasm
Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32
Arteriography
Clinical, arteriographic, and cisternographic observations after removal of acute subdural hematoma, 27
Screw-clamp stenosis for internal carotid aneurysms. Letter to the editor, 122
Arteriovenous malformations
Arteriovenous malformation and oligodendroglioma. Case report, 108
Concurrent intracranial and spinal cord arteriovenous malformations. Case report, 104
Enlargement of an arteriovenous malformation documented by angiography. Case report, 767
Surgical removal of arteriovenous malformations from the brain stem and cerebellopontine angle, 661
Therapeutic percutaneous embolization for extra-axial vascular lesions of the head, neck, and spine, 275
Artery
Air gun pellet embolizing the intracranial internal carotid artery. Case report, 222
Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32
Enlargement of an arteriovenous malformation documented by angiography. Case report, 767
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Ligation of the vertebral (unilateral or bilateral) or basilar artery in the treatment of large intracranial aneurysms, 255
Ligation of the vertebral (unilateral or bilateral) or basilar artery in the treatment of large intracranial aneurysms, 255
Mechanisms of contractile response of cerebral artery to externally-applied fresh blood, 37
Method for measuring brain pressure. Response to alteration in pCO_2, systemic blood pressure, and middle cerebral artery occlusion, 1
Persistent proatlantal artery with carotid-vertebral anastomosis. Case report, 499
Proximal occlusion of the anterior cerebral artery for anterior communicating aneurysm, 426
Quality of survival following direct surgery for anterior communicating artery aneurysms, 58
ASANO T. See Nagashima C, 74
Ascites
Abdominal pseudocysts and ascites formation after ventriculoperitoneal shunt procedures. Report of four cases, 476
Ascites from a ventriculoperitoneal shunt. Case report, 233
Aspergillosis
Aspergillosis of the fourth ventricle. Case report, 236
Astrocytomas
Infiltrative potentiality of brain tumors in organ culture, 742
ATP
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
Atropine
Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676
AUGUSTYNIAK B. See Szewczykowski J, 136
Autoregulation
Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676

Back pain
Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
BALENTINE JD. Central necrosis of the spinal cord induced by hyperbaric oxygen pressure, 150
———. See Ogilvie RW, 156
Balloon occlusion
Treatment of vertebrojugular fistula by balloon occlusion. Case report, 362
BARDEEN A. See Neumark J, 172
BARKER M. See Hoshino T, 127
BARNES B. See Hoff JT, 27
BARTUMEUS F. See Isamat F, 608
BCNU
Long-term survival of patients treated with BCNU for brain tumors, 191
BECKER DP. See Mayer DJ, 445
———. See Sullivan HG, 618
BEKS JWF. See Front D, 203
BENDER JL. Vasospastic dystrophy of the hand. Case report, 764
BENNETT DR. See Friedlander WJ, 122
BERNINI FP. See Tedeschi G, 590
BHATTI IH. See Rab SM, 490
BINGHAM WG JR. Spinal cord blood flow. Response. Letter to the editor, 782
———, GOLDMAN H, FRIEDMAN SJ, MURPHY S, YASHON D, HUNT WE. Blood flow in normal and injured monkey spinal cord, 162
Birth defects
Craniosynostosis, 48
Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
Blood flow (*See also* cerebral blood flow)
Blood flow in normal and injured monkey spinal cord, 162
Effects of increased intracranial pressure on cerebral

Index

blood volume, blood flow, and oxygen utilization in monkeys, 385
Spinal cord blood flow. Letter to the editor, 782
Spinal cord blood flow. Response. Letter to the editor, 782
Blood pressure
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Method for measuring brain pressure. Response to alteration in pCO_2, systemic blood pressure, and middle cerebral artery occlusion, 1
Blood volume
Effects of increased intracranial pressure on cerebral blood volume, blood flow, and oxygen utilization in monkeys, 385
Blood-brain barrier
Clindamycin concentrations in the central nervous system of primates before and after head trauma, 717
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
BOLDREY EB. See Calogero J, 191
Book reviews
Brown BB, Klug JW (eds). *The alpha syllabus: a handbook of human EEG alpha activity*, 114
Carter S, Gold AP. *Neurology of infancy and childhood*, 378
Cavanagh JB (ed). *Neuropathology and applied neurobiology (new journal)*, 508
Cooper IS, Piklan M, Snider RS (eds). *The cerebellum, epilepsy, and behavior*, 506
DeJong RN, Sugar O (eds). *Yearbook of neurology and neurosurgery*, 780
Duvernoy HM. *The superficial veins of the human brain: veins of the brain stem and of the base of the brain*, 778
Freeman JM (ed). *Practical management of meningomyelocele*, 643
Gardner WJ. *The dysraphic states from syringomyelia to anencephaly*, 377
Goodgold J. *Anatomical correlates of clinical electromyography*, 505
Greenblatt DJ, Shader RI. *Benzodiazepines in clinical practice*, 248
Hubbard JI (ed). *The peripheral nervous system*, 643
Kinsbourne M, Smith WN (eds). *Hemispheric disconnection and cerebral function*, 506
Krayenbühl H (ed). *Advances and technical standards in neurosurgery, vol 1*, 641
Langfitt TW, McHenry LC Jr, Reivich M, Wollman H (eds). *Cerebral circulation and metabolism*, 780
Lissák K (ed). *Hormones and brain function*, 508
Locke W, Schally AV (eds). *The hypothalamus and pituitary in health and disease*, 116
Malamud N, Hirano A. *Atlas of neuropathology, ed 2*, 642
Newman PP. *Visceral afferent functions of the nervous system*, 779
Plum F (ed). *Brain dysfunction in metabolic disorders. Association for Research in Nervous and Mental Disease, vol 53*, 116
Pool JL. *The Neurological Institute of New York, 1909–1974*, with personal anecdotes, 507
Ruggiero G, Bories J, Calabró A, Cristi G, Scialfa G, Smaltino F, Thibaut A. *Radiological exploration of the ventricles and subarachnoid space*, 378
Sano K, Ishii S (eds). *Recent progress in neurological surgery: proceedings of the symposia of the Fifth International Congress of Neurological Surgery, Tokyo, October 7–13, 1973*, 380
Shaftan GW, Gardner B (eds). *Quick reference to surgical emergencies*, 248
Subirana A, Espadaler JM (eds). *Neurology: Proceedings of the 10th International Congress of Neurology, Barcelona, Spain, September 8–15, 1973*, 249
Swerdlow M (ed). *Relief of intractable pain*, 379
Toole JF, Patel AN. *Cerebrovascular disorders, ed 2*, 247
Usdin E, Snyder S (eds). *Frontiers in catecholamine research*, 115
Wackenheim A. *Roentgen diagnosis of the craniovertebral region*, 644
Wende S, Zieler E, Nakayama N. *Cerebral magnification angiography: physical basis and clinical results*, 115
Zimmerman E, Gespen WH, Marks BH, De Wied D (eds). *Drug effects on neuroendocrine regulation*, 645
Zülch KJ. *Atlas of gross neurosurgical pathology*, 779
Brain abscess
Tuberculous brain abscess. Case report, 490
Brain electrical activity
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
Brain scans
Cerebral dynamic studies for early detection of recurrent anaplastic intracranial gliomas, 142
Brain stem
Radiation of infratentorial and supratentorial brain-stem tumors, 65
Surgical removal of arteriovenous malformations from the brain stem and cerebellopontine angle, 661
BRIERLEY H. See Sengupta RP, 58
BRINCKHAUS R. See Correa AJE, 236
BRODKEY JS. See Morrison G, 737

CALDERON MDT. See Vera CL, 181
CALOGERO J, CRAFTS DC, WILSON CB, BOLDREY EB, ROSENBERG A, ENOT KJ. Long-term survival of patients treated with BCNU for brain tumors, 191
CAMPBELL RL. See Hall PV, 457
———. See Hall PV, 464
CAPRA NF. See Clark RM, 1
Carcinoma
Choroid plexus carcinoma. Case report, 225

Cardiac surgery
Cerebral hemorrhage following heart surgery, 671
Carotid siphon
Air gun pellet embolizing the intracranial internal carotid artery. Case report, 222
Carpal tunnel syndrome
Carpal tunnel syndrome in pediatric mucopolysaccharidoses. Report of four cases, 102
Cat studies
Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32
Central functional changes after facial-spinal-accessory anastomosis in man and facial-hypoglossal anastomosis in the cat, 181
Spinal evoked response in the cat, 329
Catecholamines
Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32
Catheters
Perforation of the intestine by a Raimondi peritoneal catheter. Case report, 112
Cell cycle time
Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
Cell kinetics
Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
Central nervous system
Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
Cerebellopontine angle
Surgical removal of arteriovenous malformations from the brain stem and cerebellopontine angle, 661
Cerebral blood flow
Anatomical mapping of the cerebral nervi vasorum in the human brain, 559
Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
Chronic cerebral artery spasm. The role of intracranial pressure, 408
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676
Regional cerebral blood flow studies following superficial temporal-middle cerebral artery anastomosis, 706
Ventriculo-orbital fistula in closed head injury. Case report, 754
Cerebral dynamics
Cerebral dynamic studies for early detection of recurrent anaplastic intracranial gliomas, 142
Cerebrospinal fluid
Agenesis of arachnoid granulations and its relationship to communicating hydrocephalus, 553
Clinical manifestations of aqueductal stenosis in adults, 546
Compartmental analysis of compliance and outflow resistance of the cerebrospinal fluid system, 523
Empty sella syndrome as complication of benign intracranial hypertension, 177
Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
Pneumocephalus following ventriculoperitoneal shunt. Case report, 631
Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases, 481
CERILLO A. See Tedeschi G, 590
Cervical fusion
Management of cervical spinal cord trauma in Southern California, 732
Cervical myelopathy
Experimental cervical myelopathy. Effects of ischemia and compression of the canine cervical spinal cord, 9
CHANDLER WF, FARHAT SM, PAULI FJ. Intrathalamic epidermoid tumor. Case report, 614
CHEE ANC. See Aoyagi M, 689
Chemotherapy
Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
Long-term survival of patients treated with BCNU for brain tumors, 191
Neurological manifestations of primary rhabdomyosarcoma of the head and neck in children, 207
Children
Abdominal pseudocysts and ascites formation after ventriculoperitoneal shunt procedures. Report of four cases, 476
Carpal tunnel syndrome in pediatric mucopolysaccharidoses. Report of four cases, 102
Cloverleaf skull syndrome. Case report, 86
Giant occipital hemangioendothelioma with thrombocytopenia, anemia, and hypofibrinogenemia. Case report, 74
Micro- and macrovascular changes as the direct cause of parenchymal destruction of congenital murine hydrocephalus, 535
Neurological manifestations of primary rhabdomyosarcoma of the head and neck in children, 207
CHIU JSP. See Sengupta RP, 58
Cholinergic mechanisms
Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676

Index

Choroid plexus
Choroid plexus carcinoma. Case report, 225
Chromophobes
Pituitary adenomas of adolescents, 437
CHUNG HD. See Llena JF, 98
CIRIC I, ZIVIN I. Neuroepithelial (colloid) cysts of the septum pellucidum, 69
Cisternography
Clinical, arteriographic, and cisternographic observations after removal of acute subdural hematoma, 27
Convexity of leptomeningeal cysts diagnosed by scinticisternography, 203
Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
CLARE M. Book review, 505
CLARK RM, CAPRA NF, HALSEY JH JR. Method for measuring brain pressure. Response to alteration in pCO_2, systemic blood pressure, and middle cerebral artery occlusion, 1
CLARK WK, EISENBREY AB, FINNEY L, HUNT WE, PEVEHOUSE BC, WHISLER WW, ROVIT RL. Professional liability: statement to the Subcommittee on Health, Committee of Labor and Public Welfare, Washington DC, on behalf of the AANS. Letter to the editor, 118
CLEIN LJ. Suprascapular entrapment neuropathy, 337
Clindamycin
Clindamycin concentrations in the central nervous system of primates before and after head trauma, 717
Clips
Ligation of the vertebral (unilateral or bilateral) or basilar artery in the treatment of large intracranial aneurysms, 255
Treatment of internal carotid bifurcation aneurysms by direct surgery, 343
Cloverleaf skull syndrome
Cloverleaf skull syndrome. Case report, 86
COENE LNM. See Coenegracht JM, 239
COENEGRACHT JM, DE BIE JPAM, COENE LNM, PADBERG G. Deficiency of gonadotropin-releasing factor in a patient with hydrocephalus internus. Case report, 239
COHEN HP, WALTZ AG, JACOBSON RL. Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32
CO_2
Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
Collagen sponge
Collagen sponge for surface brain protection. Technical note, 637
COLLIAS JC. See Dohrmann GJ, 225
Compliance
Compartmental analysis of compliance and outflow resistance of the cerebrospinal fluid system, 523
Computer analysis
Computer assisted analysis of intraventricular pressure after mannitol administration, 136
CONLEY FK, HAMILTON RD, HOSOBUCHI Y. Successful surgical treatment of bilateral carotid-cavernous fistulas. Case report, 357
Consciousness
State of consciousness scoring system. Comment. Letter to the editor, 252
State of consciousness scoring system. Letter to the editor, 251
Contractile response
Mechanisms of contractile response of cerebral artery to externally-applied fresh blood, 37
Contrast medium
Clinical results with metrizamide ventriculography, 432
COPPOLA AR. Deep vein thrombosis. Letter to the editor, 510
Cord section
Spinal evoked response in the cat, 329
Cordotomy
Threshold for pain from anterolateral quadrant stimulation as a predictor of success of percutaneous cordotomy for relief of pain, 445
Corneal reflex
Central functional changes after facial-spinal-accessory anastomosis in man and facial-hypoglossal anastomosis in the cat, 181
CORREA AJE, BRINCKHAUS R, KESLER S, MARTINEZ E. Aspergillosis of the fourth ventricle. Case report, 236
CRACCO RQ. See Sarnowski RJ, 329
CRAFTS DC. See Calogero J, 191
Craniosynostosis
Craniosynostosis, 48
Craniotomy
Clinical, arteriographic, and cisternographic observations after removal of acute subdural hematoma, 27
Evaluation of postcraniotomy patients by radionuclide scan, 471
Miniature intravascular pCO_2 sensors in neurosurgery, 172
CROWELL RM, DEGIROLAMI U, SWEET WH. Arteriovenous malformation and oligodendroglioma. Case report, 108
CURTIN JA. See Horwitz NH, 727
Cushing oration
Our underpinnings: a bicentennial view. The 1975 Harvey Cushing oration, 515
Cushing response
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Cyst
Convexity of leptomeningeal cysts diagnosed by scinticisternography, 203
Ependymal cyst of the spinal cord. Case report, 757
Micro- and macrovascular changes as the direct cause of parenchymal destruction of congenital murine hydrocephalus, 535
Neuroepithelial (colloid) cysts of the septum pellucidum, 69

DE BIE JPAM. See Coenegracht JM, 239
DE MORAES AA. See Sengupta RP, 343
Deaths
Henry L. Heyl. Letter to the editor, 122
Samuel R. Snodgrass. Letter to the editor, 647
DECKER RE, STEIN HL, EPSTEIN JA. Complete embolization of artery of Adamkiewicz to obliterate an intramedullary arteriovenous aneurysm. Case report, 486
DEDO HH. See Pitts LH, 631
DEFESCHE HFHG. See Front D, 203
DEGIROLAMI U. See Crowell RM, 108
Denervation
Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
DESHMUKH VD. See Aoyagi M, 689
Diagnostics
Deep vein thrombosis. Response. Letter to the editor, 511
Grading animals with spinal cord injury. Letter to the editor, 646
Grading animals with spinal cord injury. Response. Letter to the editor, 647
State of consciousness scoring system. Comment. Letter to the editor, 252
State of consciousness scoring system. Letter to the editor, 251
Direct surgery
Treatment of internal carotid bifurcation aneurysms by direct surgery, 343
Disc surgery
Modified disc rongeur. Technical note, 504
Disc syndrome
Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
Discectomy
Use of the operating microscope in anterior cervical discectomy without fusion, 452
DOHRMANN GJ, COLLIAS JC. Choroid plexus carcinoma. Case report, 225
DONAGHY RMP. Book review, 506
DOSSETOR JFB. See Khwaja MS, 627
DRAKE CG. Ligation of the vertebral (unilateral or bilateral) or basilar artery in the treatment of large intracranial aneurysms, 255
——— Surgical removal of arteriovenous malformations from the brain stem and cerebellopontine angle, 661
DUJOVNY M, VAS R, OSGOOD CP, MAROON JC, JANETTA PJ. Automatically irrigated bipolar forceps. Technical note, 502
DUNN JE. See Paul RL, 299
Dura mater
Watertight closure of spinal dura mater. Technical note, 639
DURITY F. See Marshall LF, 308
———. See Marshall LF, 318
———. See Marshall LF, 323
Dystrophy
Vasospastic dystrophy of the hand. Case report, 764
DYTKO P. See Szewczykowski J, 136
DZIDUSZKO J. See Szewczykowski J, 136
Edema
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Micro- and macrovascular changes as the direct cause of parenchymal destruction of congenital murine hydrocephalus, 535
EIDELBERG E. Grading animals with spinal cord injury. Letter to the editor, 646
EISENBREY AB. See Clark WK, 118
EL-BOLKAINY N. See Sorour O, 742
Electrical stimulation
Dorsal column stimulation for phantom limb pain. Letter to the editor, 250
Dorsal column stimulation for phantom limb pain. Response. Letter to the editor, 250
Percutaneous trial of stimulation for patient selection for implantable stimulating devices, 440
Threshold for pain from anterolateral quadrant stimulation as a predictor of success of percutaneous cordotomy for relief of pain, 445
Electroencephalography
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
Electrospinography
Electrospinogram and spinal and cortical evoked potentials in experimental spinal cord trauma, 737
Embolization
Complete embolization of artery of Adamkiewicz to obliterate an intramedullary arteriovenous aneurysm. Case report, 486
Therapeutic percutaneous embolization for extra-axial vascular lesions of the head, neck, and spine, 275
Embolus
Air gun pellet embolizing the intracranial internal carotid artery. Case report, 222
Deep vein thrombosis. Letter to the editor, 510
Deep vein thrombosis. Response. Letter to the editor, 511
Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report, 618
Empty sella syndrome
Empty sella syndrome as complication of benign intracranial hypertension, 177
Encephaloceles
Giant occipital hemangioendothelioma with thrombocytopenia, anemia, and hypofibrinogenemia. Case report, 74
Energy metabolism
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
ENOT KJ. See Calogero J, 191
Epilepsy
Temporal lobe seizures with additional foci treated by resection, 596
EPSTEIN JA. See Decker RE, 486
ERICKSON DL. Percutaneous trial of stimulation for

Index

patient selection for implantable stimulating devices, 440
———. See Ortiz-Suarez H, 437
EVANS DE. See Shatsky SA, 509
Evoked potentials
Electrospinogram and spinal and cortical evoked potentials in experimental spinal cord trauma, 737
Evoked responses
Spinal evoked response in the cat, 329

Facet nerve
Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
Facial paresis
Neurinomas of the facial nerve. Report of three cases, 608
FARHAT SM. See Chandler WF, 614
FARRAR JK JR. Chronic cerebral artery spasm. The role of intracranial pressure, 408
FEIN JM, HERZ DA. Bedside evacuation of chronic subdural hematomas. Letter to the editor, 381
FEIRING EH. See Llena JF, 98
Fibroma
Intracerebellar "fibroma." Case report, 98
FINNEY L. See Clark WK, 118
Fistula
Intraoperative use of Doppler to detect successful obliteration of carotid-cavernous fistulas. Technical note, 634
Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases, 481
Successful surgical treatment of bilateral carotid-cavernous fistulas. Case report, 357
Thermography in the management of carotid-cavernous fistulas, 352
Treatment of vertebrojugular fistula by balloon occlusion. Case report, 362
Ventriculo-orbital fistula in closed head injury. Case report, 754
FLEISCHER AS, KOSLOW M, ROVIT RL. Neurological manifestations of primary rhabdomyosarcoma of the head and neck in children, 207
FOLTZ EL, LOESER JD. Craniosynostosis, 48
FONTANILLA M. See Matjasko MJ, 634
Forceps
Automatically irrigated bipolar forceps. Technical note, 502
FRIEDE RL. See Gutierrez Y, 553
FRIEDLANDER WJ, ALEXANDER E JR, BENNETT DR, JOYNT RJ, SIBLEY WA, VAN ALLEN MW, WARD AA JR. Henry L. Heyl. Letter to the editor, 122
FRIEDMAN MJ. Book review, 248
FRIEDMAN SJ. See Bingham WG Jr, 162
FRONT D, DEFESCHE HFHG, OEN TS, BEKS JWF, PENNING L. Convexity of leptomeningeal cysts diagnosed by scinticisternography, 203
Fungus
Aspergillosis of the fourth ventricle. Case report, 236

GALERA G R, MARTINEZ C A. Thermography in the management of carotid-cavernous fistulas, 352
GARCIA JH. See Tanaka J, 80
GARVAN N. See Sengupta RP, 343
GHANI A. See Rab SM, 490
GLASAUER FE. Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
Glioblastomas
Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
Gliomas
Cerebral dynamic studies for early detection of recurrent anaplastic intracranial gliomas, 142
GOLDMAN H. See Bingham WG Jr, 162
Gonadotropin
Deficiency of gonadotropin-releasing factor in a patient with hydrocephalus internus. Case report, 239
GOODING MR, WILSON CB, HOFF JT. Experimental cervical myelopathy. Effects of ischemia and compression of the canine cervical spinal cord, 9
GOODMAN JH. See Hunt WE, 250
GOODMAN SJ, HASSO A, KIRKPATRICK D. Treatment of vertebrojugular fistula by balloon occlusion. Case report, 362
GOODRICH JK. See Witherspoon LR, 142
Grading systems
Grading animals with spinal cord injury. Letter to the editor, 646
Grading animals with spinal cord injury. Response. Letter to the editor, 647
State of consciousness scoring system. Comment. Letter to the editor, 252
State of consciousness scoring system. Letter to the editor, 251
GRAHAM DI. See Marshall LF, 308
———. See Marshall LF, 318
———. See Marshall LF, 323
GROLLMUS J. See Hoff JT, 27
GROLLMUS JM. See Spetzler RF, 770
GROSSMAN CB. See Hash CJ, 104
GROSSMAN RG. In memory of Samuel R. Snodgrass. Letter to the editor, 647
Growth fraction
Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
GRUBB RL JR, RAICHLE ME, PHELPS ME, RATCHESON RA. Effects of increased intracranial pressure on cerebral blood volume, blood flow, and oxygen utilization in monkeys, 385
Guinea-worm abscess
Extradural guinea-worm abscess. Report of two cases, 627
GUTIERREZ Y, FRIEDE RL, KALINEY WJ. Agenesis of arachnoid granulations and its relationship to communicating hydrocephalus, 553

HAKUBA A, KATSUYAMA J, MATSUOKA Y, SHIM JH, NISHIMURA S. Sphenoid sinus mucoceles. Report of two cases, 368

HALL PV, CAMPBELL RL, KALSBECK JE. Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457
———, MULLER J, CAMPBELL RL. Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464
HALSEY JH JR. See Clark RM, 1
HAMILTON RD. See Conley FK, 357
Hand
Vasospastic dystrophy of the hand. Case report, 764
HANKINSON HL, WILSON CB. Use of the operating microscope in anterior cervical discectomy without fusion, 452
HARBISON JW. See Sullivan HG, 618
HARRIS CG. See Witherspoon LR, 142
HASH CJ, GROSSMAN CB, SHENKIN HA. Concurrent intracranial and spinal cord arteriovenous malformations. Case report, 104
HASSO A. See Goodman SJ, 362
HAYAKAWA T, WALTZ AG. Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Head injury
High-speed angiography. Letter to the editor, 509
High-speed angiography. Response. Letter to the editor, 509
Ultrastructural observations of the capsule of chronic subdural hematoma in various clinical states, 569
Ventriculo-orbital fistula in closed head injury. Case report, 754
Head trauma
Bilateral aberrant regeneration of the third cranial nerve following trauma. Case report, 95
Clindamycin concentrations in the central nervous system of primates before and after head trauma, 717
Heart surgery
Cerebral hemorrhage following heart surgery, 671
HEIDEN JS, WEISS MH, ROSENBERG AL, APUZZO MLJ, KURZE T. Management of cervical spinal cord trauma in Southern California, 732
———. See Kurze T, 637
HEILBRUN MP, REICHMAN OH, ANDERSON RE, ROBERTS TS. Regional cerebral blood flow studies following superficial temporal-middle cerebral artery anastomosis, 706
Hemangiomas
Giant occipital hemangioendothelioma with thrombocytopenia, anemia, and hypofibrinogenemia. Case report, 74
Hematoma. *See* subdural hematoma
Hemorrhage (*See also* subarachnoid hemorrhage)
Arteriovenous malformation and oligodendroglioma. Case report, 108
Cerebral hemorrhage following heart surgery, 671
Chronic cerebral artery spasm. The role of intracranial pressure, 408
Concurrent intracranial and spinal cord arteriovenous malformations. Case report, 104
Indications for surgical treatment of intracerebral hemorrhage, 590
Management of ischemic complications after subarachnoid hemorrhage, 418
Surgical removal of arteriovenous malformations from the brain stem and cerebellopontine angle, 661
HERZ DA. See Fein JM, 381
Heyl, Henry L.
Henry L. Heyl. Letter to the editor, 122
HILAL SK, MICHELSEN JW. Therapeutic percutaneous embolization for extra-axial vascular lesions of the head, neck, and spine, 275
HIRANO A. See Llena JF, 98
HIROMOTO H. See Kawamura Y, 676
HIROTA T. See Sugita K, 244
HITCHCOCK ER. Intrathecal saline injections for control of pain. Letter to the editor, 510
HOCKLEY AD. Proximal occlusion of the anterior cerebral artery for anterior communicating aneurysm, 426
HOFF JT, GROLLMUS J, BARNES B, MARGOLIS MT. Clinical, arteriographic, and cisternographic observations after removal of acute subdural hematoma, 27
———, WINESTOCK D, HOYT WF. Giant suprasellar aneurysm associated with optic stalk agenesis and unilateral anophthalmos. Case report, 495
———. See Gooding MR, 9
HOFFMAN HJ. See Humphreys RP, 671
———. See Muller PJ, 86
HOLLISTER NR. Book review, 379
HORWITZ NH, CURTIN JA. Prophylactic antibiotics and wound infections following laminectomy for lumbar disc herniation. A retrospective study, 727
HOSHINO T, WILSON CB, ROSENBLUM ML, BARKER M. Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
HOSOBUCHI Y. Dorsal column stimulation for phantom limb pain. Response. Letter to the editor, 250
———. See Conley FK, 357
HOUSEPIAN EM. See Weisberg LA, 177
HOUSER OW. See Little JR, 546
HOYT WF. See Hoff JT, 495
HUMPHREYS RP, HOFFMAN HJ, MUSTARD WT, TRUSLER GA. Cerebral hemorrhage following heart surgery, 671
HUNT WE, GOODMAN JH. Dorsal column stimulation for phantom limb pain. Letter to the editor, 250
———. See Bingham WG Jr, 162
———. See Clark WK, 118
Hydrocephalus
Abdominal pseudocysts and ascites formation after ventriculoperitoneal shunt procedures. Report of four cases, 476
Agenesis of arachnoid granulations and its relationship to communicating hydrocephalus, 553
Ascites from a ventriculoperitoneal shunt. Case report, 233
Aspergillosis of the fourth ventricle. Case report, 236
Clinical manifestations of aqueductal stenosis in adults, 546
Clinical, arteriographic, and cisternographic observations after removal of acute subdural hematoma, 27
Cloverleaf skull syndrome. Case report, 86

Deficiency of gonadotropin-releasing factor in a patient with hydrocephalus internus. Case report, 239
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464
Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457
Micro- and macrovascular changes as the direct cause of parenchymal destruction of congenital murine hydrocephalus, 535
Percutaneous lumboperitoneal shunt. Technical note, 770
Perforation of the intestine by a Raimondi peritoneal catheter. Case report, 112
Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases, 481

Hydromyelia
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464
Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457

Hydrosyringomyelia
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464

Hygromas
Superimposed chronic subdural hygromas. Report of two cases, 623

Hyperbaric oxygen
Central necrosis of the spinal cord induced by hyperbaric oxygen pressure, 150
Oxygen tension in spinal cord gray matter during exposure to hyperbaric oxygen, 156

Hypertension
Empty sella syndrome as complication of benign intracranial hypertension, 177
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 2: Brain morphology, 318
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323

Hyperventilation
Miniature intravascular pCO_2 sensors in neurosurgery, 172

Hypophysectomy
Transsphenoidal selective anterior hypophysectomy in cats for microsurgical training. Technical note, 774

Hypotension
Systemic hypotension in neurosurgery, 579

Hypoxia
Systemic hypotension in neurosurgery, 579

IGNELZI RJ, VANDERARK GD. Analysis of the treatment of basilar skull fractures with and without antibiotics, 721

Infants
Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases, 481

Infarction
Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Management of ischemic complications after subarachnoid hemorrhage, 418

Intervertebral disc
Use of the operating microscope in anterior cervical discectomy without fusion, 452

Intestine
Perforation of the intestine by a Raimondi peritoneal catheter. Case report, 112

Intracranial pressure
Chronic cerebral artery spasm. The role of intracranial pressure, 408
Compartmental analysis of compliance and outflow resistance of the cerebrospinal fluid system, 523
Computer assisted analysis of intraventricular pressure after mannitol administration, 136
Effects of increased intracranial pressure on cerebral blood volume, blood flow, and oxygen utilization in monkeys, 385
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Mechanism of transient ischemia. Letter to the editor, 647
Mechanism of transient ischemia. Response. Letter to the editor, 648
Method for measuring brain pressure. Response to alteration in pCO_2, systemic blood pressure, and middle cerebral artery occlusion, 1

Intravascular adhesive
Therapeutic percutaneous embolization for extra-axial vascular lesions of the head, neck, and spine, 275

Intravascular coagulation
Diagnosis and treatment of diffuse intravascular coagulation following cerebral trauma. Case report, 374

Intraventricular pressure
Computer assisted analysis of intraventricular pressure after mannitol administration, 136

ISAMAT F, BARTUMEUS F, MIRANDA AM, PRAT J, PONS LC. Neurinomas of the facial nerve. Report of three cases, 608

Ischemia
Catecholamine content of cerebral tissue after occlusion or manipulation of middle cerebral artery in cats, 32

Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 2: Brain morphology, 318
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
Experimental cervical myelopathy. Effects of ischemia and compression of the canine cervical spinal cord, 9
Management of ischemic complications after subarachnoid hemorrhage, 418
Mechanism of transient ischemia. Letter to the editor, 647
Mechanism of transient ischemia. Response. Letter to the editor, 648
Systemic hypotension in neurosurgery, 579
Isoproterenol
Management of ischemic complications after subarachnoid hemorrhage, 418
IYER GV, NAYAR A. Massive osteolysis of the skull. Case report, 92

JACOBSON RL. See Cohen HP, 32
JANETTA PJ. See Dujovny M, 502
JOFFE SN. Deep vein thrombosis. Response. Letter to the editor, 511
JOYNT RJ. See Friedlander WJ, 122

KALINEY WJ. See Gutierrez Y, 553
KALSBECK JE. See Hall PV, 457
KAMPINE JP. See Neumark J, 172
Kaolin
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464
KASE JC. See Vera CL, 181
KATSUYAMA J. See Hakuba A, 368
KAWAMURA Y, MEYER JS, HIROMOTO H, AOYAGI M, TAGASHIRA Y, OTT EO. Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676
———. See Aoyagi M, 689
KEANE JR. Bilateral aberrant regeneration of the third cranial nerve following trauma. Case report, 95
KERR FWL. Book review, 643
KESLER S. See Correa AJE, 236
KHAN A. See Rab SM, 490
KHWAJA MS, DOSSETOR JFB, LAWRIE JH. Extradural guinea-worm abscess. Report of two cases, 627
KING JS. Intrathecal saline injections for control of pain. Letter to the editor, 510
KIRKPATRICK D. See Goodman SJ, 362
KOBRINE AI. Spinal cord blood flow. Letter to the editor, 782
KORSAKSLIWKA J. See Szewczykowski J, 136
KOSLOW M. See Fleischer AS, 207
KUNICKI A. See Szewczykowski J, 136
KUROKAWA K. See Mayfield FH, 639
KURZE T, APUZZO MLJ, WEISS MH, HEIDEN JS. Collagen sponge for surface brain protection. Technical note, 637
———. See Heiden JS, 732
———. See Waxman AD, 471

LAKE PA. Modified disc rongeur. Technical note, 504
Laminectomy
Prophylactic antibiotics and wound infections following laminectomy for lumbar disc herniation. A retrospective study, 727
LAMORGESE J. See Marmarou A, 523
LANGFITT TW. See Marshall LF, 308
———. See Marshall LF, 318
———. See Marshall LF, 323
LASSMAN LP. See Sengupta RP, 343
Lateral fusion
Anterior transthoracic surgical decompression of acute spinal cord injuries, 299
LAWRIE JH. See Khwaja MS, 627
LEE F. Radiation of infratentorial and supratentorial brain-stem tumors, 65
LEONARD JR. See Witherspoon LR, 142
LEWIN MG. See Vera CL, 181
LEWIS HP. See Picardi JL, 717
Liability
Professional liability: statement to the Subcommittee on Health, Committee of Labor and Public Welfare, Washington DC, on behalf of the AANS, 118
The "future trends" in neurosurgery are here. The 1975 AANS presidential address, 651
LINDGREN S. High-speed angiography. Letter to the editor, 509
Lipomeningoceles
Malignant teratoma arising within a lipomeningocele. Case report, 761
LITTLE JR, HOUSER OW, MACCARTY CS. Clinical manifestations of aqueductal stenosis in adults, 546
LLENA JF, CHUNG HD, HIRANO A, FEIRING EH, ZIMMERMAN HM. Intracerebellar "fibroma." Case report, 98
LLEWELLYN RC. See Parry SW, 476
LOESER JD. See Foltz EL, 48
———. See Peirce KR, 112
LORIG RJ. See Morrison G, 737
LOUNSBURY R. See Marshall LF, 308
———. See Marshall LF, 318
———. See Marshall LF, 323
LUCAS JT. Intrathecal saline injections for control of pain. Response. Letter to the editor, 510
———. Intrathecal saline injections for control of pain. Response. Letter to the editor, 510
Lumbar disc herniation
Prophylactic antibiotics and wound infections following laminectomy for lumbar disc herniation. A retrospective study, 727

MACCARTY CS. See Little JR, 546
———. See Nijensohn DE, 197

Index

MACK EW. Book review, 248
MAGNESS AP 2ND. See Yashon D, 579
MAHALEY MS JR. See Witherspoon LR, 142
Malpractice
  Professional liability: statement to the Subcommittee on Health, Committee of Labor and Public Welfare, Washington DC, on behalf of the AANS, 118
Mannitol
  Computer assisted analysis of intraventricular pressure after mannitol administration, 136
Manpower
  The "future trends" in neurosurgery are here. The 1975 AANS presidential address, 651
MARGOLIS G. Book review, 508
MARGOLIS MT. See Hoff JT, 27
MARMAROU A, SHULMAN K, LAMORGESE J. Compartmental analysis of compliance and outflow resistance of the cerebrospinal fluid system, 523
MAROON JC. See Dujovny M, 502
MARSHALL LF, DURITY F, LOUNSBURY R, GRAHAM DI, WELSH F, LANGFITT TW. Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
———, GRAHAM DI, DURITY F, LOUNSBURY R, WELSH F, LANGFITT TW. Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 2: Brain morphology, 318
———, WELSH F, DURITY F, LOUNSBURY R, GRAHAM DI, LANGFITT TW. Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
MARTINEZ C A. See Galera G R, 352
MARTINEZ E. See Correa AJE, 236
MARUBAYASHI T. See Matsukado Y, 215
MATJASKO MJ, WILLIAMS JP, FONTANILLA M. Intraoperative use of Doppler to detect successful obliteration of carotid-cavernous fistulas. Technical note, 634
MATSUDA M. See Aoyagi M, 689
MATSUKADO Y, YOKOTA A, MARUBAYASHI T. Rhabdomyosarcoma of the brain. Case report, 215
MATSUOKA Y. See Hakuba A, 368
MAURICE-WILLIAMS RS. Superimposed chronic subdural hygromas. Report of two cases, 623
MAYER DJ, PRICE DD, BECKER DP, YOUNG HF. Threshold for pain from anterolateral quadrant stimulation as a predictor of success of percutaneous cordotomy for relief of pain, 445
MAYFIELD FH, KUROKAWA K. Watertight closure of spinal dura mater. Technical note, 639
MCCRACKEN PW. Our underpinnings: a bicentennial view. The 1975 Harvey Cushing oration, 515
MCGAULEY JL, MILLER CA, PENNER JA. Diagnosis and treatment of diffuse intravascular coagulation following cerebral trauma. Case report, 374
MCLENNAN JE. See Mickle JP, 761
MCLONE DG. See Wozniak M, 535
Meckel's cave
  Meningiomas of Meckel's cave, 197
MELAMED E. Mechanism of transient ischemia. Response. Letter to the editor, 648
Meningiomas
  Infiltrative potentiality of brain tumors in organ culture, 742
  Late appearance of meningioma at the site of partially removed oligodendroglioma. Case report, 80
  Meningiomas of Meckel's cave, 197
Meningoceles
  Malignant teratoma arising within a lipomeningocele. Case report, 761
Meningomyelocele
  Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457
Metrizamide
  Clinical results with metrizamide ventriculography, 432
MEYER JS. See Aoyagi M, 689
———. See Kawamura Y, 676
MICHAEL RH. See Paul RL, 299
MICHELSEN JW. See Hilal SK, 275
MICKLE JP, MCLENNAN JE. Malignant teratoma arising within a lipomeningocele. Case report, 761
Microscope, operative
  Application of nasopharyngeal mirror for aneurysm operation. Technical note, 244
  Use of the operating microscope in anterior cervical discectomy without fusion, 452
Microsurgery
  Collagen sponge for surface brain protection. Technical note, 637
  Microsurgical anatomy of the sellar region, 288
  Transsphenoidal selective anterior hypophysectomy in cats for microsurgical training. Technical note, 774
MILLER CA. See McGauley JL, 374
MINER ME, SCHIMKE RN. Carpal tunnel syndrome in pediatric mucopolysaccharidoses. Report of four cases, 102
MINGRINO S. Mechanism of transient ischemia. Letter to the editor, 647
MIRANDA AM. See Isamat F, 608
Morphology
  Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 2: Brain morphology, 318
MORRISON G, LORIG RJ, BRODKEY JS, NULSEN FE. Electrospinogram and spinal and cortical evoked potentials in experimental spinal cord trauma, 737
MOSSO JA, VERITY MA. Ependymal cyst of the spinal cord. Case report, 757
MOUNT F. See Sarnowski RJ, 329
Mucoceles
  Sphenoid sinus mucoceles. Report of two cases, 368
Mucopolysaccharidoses
  Carpal tunnel syndrome in pediatric mucopolysaccharidoses. Report of four cases, 102
MULLER J. See Hall PV, 464
MULLER PJ, HOFFMAN HJ. Cloverleaf skull syndrome. Case report, 86
MURPHY S. See Bingham WG Jr, 162
MUSTARD WT. See Humphreys RP, 671
MUTSUGA N. See Van Buren JM, 596
Myelodysplasia

Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457
Myelopathy
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464

NAGASHIMA C, TAKAHAMA M, NAKAYAMA Y, ASANO T. Giant occipital hemangioendothelioma with thrombocytopenia, anemia, and hypofibrinogenemia. Case report, 74
NAKAYAMA Y. See Nagashima C, 74
NAYAR A. See Iyer GV, 92
Necrosis
Central necrosis of the spinal cord induced by hyperbaric oxygen pressure, 150
NEGRÓN RA. Bedside evacuation of chronic subdural hematomas. Response. Letter to the editor, 381
Neoplasms
Cerebral dynamic studies for early detection of recurrent anaplastic intracranial gliomas, 142
Chemotherapeutic implications of growth fraction and cell cycle time in glioblastomas, 127
Choroid plexus carcinoma. Case report, 225
Infiltrative potentiality of brain tumors in organ culture, 742
Intracerebellar "fibroma." Case report, 98
Intrathalamic epidermoid tumor. Case report, 614
Long-term survival of patients treated with BCNU for brain tumors, 191
Radiation of infratentorial and supratentorial brainstem tumors, 65
Rhabdomyosarcoma of the brain. Case report, 215
Transsphenoidal selective anterior hypophysectomy in cats for microsurgical training. Technical note, 774
Neostigmine
Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
Nerves
Bilateral aberrant regeneration of the third cranial nerve following trauma. Case report, 95
Central functional changes after facial-spinal-accessory anastomosis in man and facial-hypoglossal anastomosis in the cat, 181
Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
Percutaneous trial of stimulation for patient selection for implantable stimulating devices, 440
Suprascapular entrapment neuropathy, 337
NETSKY MG. See Tanaka J, 80
NEUMARK J, BARDEEN A, SULZER E, KAMPINE JP. Miniature intravascular pCO_2 sensors in neurosurgery, 172
Neurinomas
Neurinomas of the facial nerve. Report of three cases, 608
Neurosurgical forum
BINGHAM WG JR. Spinal cord blood flow. Response, 782
CLARK WK, EISENBREY AB, FINNEY L, HUNT WE, PEVEHOUSE BC, WHISLER WW, ROVIT RL. Professional liability: statement to the Subcommittee on Health, Committee of Labor and Public Welfare, Washington DC, on behalf of the AANS, 118
COPPOLA AR. Deep vein thrombosis, 510
EIDELBERG E. Grading animals with spinal cord injury, 646
FEIN JM, HERZ DA. Bedside evacuation of chronic subdural hematomas, 381
FRIEDLANDER WJ, ALEXANDER E JR, BENNETT DR, JOYNT RJ, SIBLEY WA, VAN ALLEN MW, WARD AA JR. Henry L. Heyl, 122
GROSSMAN RG. In memory of Samuel R. Snodgrass, 647
HITCHCOCK ER. Intrathecal saline injections for control of pain, 510
HOSOBUCHI Y. Dorsal column stimulation for phantom limb pain. Response, 250
HUNT WE, GOODMAN JH. Dorsal column stimulation for phantom limb pain, 250
JOFFE SN. Deep vein thrombosis. Response, 511
KING JS. Intrathecal saline injections for control of pain, 510
KOBRINE AI. Spinal cord blood flow, 782
LINDGREN S. High-speed angiography, 509
LUCAS JT. Intrathecal saline injections for control of pain. Response, 510
LUCAS JT. Intrathecal saline injections for control of pain. Response, 510
MELAMED E. Mechanism of transient ischemia. Response, 648
MINGRINO S. Mechanism of transient ischemia, 647
NEGRÓN RA. Bedside evacuation of chronic subdural hematomas. Response, 381
NICHOLS P. Screw-clamp stenosis for internal carotid aneurysms, 122
PLUM F. State of consciousness scoring system. Comment, 252
SHATSKY SA, EVANS DE. High-speed angiography. Response, 509
SUBCZYNSKI JA. State of consciousness scoring system, 251
TATOR CH. Grading animals with spinal cord injury. Response, 647
NICHOLS P. Screw-clamp stenosis for internal carotid aneurysms. Letter to the editor, 122
NIJENSOHN DE, ARAUJO JC, MACCARTY CS. Meningiomas of Meckel's cave, 197
NISHIMURA S. See Hakuba A, 368
No-reflow phenomenon
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
NULSEN FE. See Morrison G, 737

Occlusion
Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report, 618

Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399
Ligation of the vertebral (unilateral or bilateral) or basilar artery in the treatment of large intracranial aneurysms, 255
Method for measuring brain pressure. Response to alteration in pCO_2, systemic blood pressure, and middle cerebral artery occlusion, 1
Proximal occlusion of the anterior cerebral artery for anterior communicating aneurysm, 426
Screw-clamp stenosis for internal carotid aneurysms. Letter to the editor, 122
Treatment of vertebrojugular fistula by balloon occlusion. Case report, 362
Ocular bruit
Intraoperative use of Doppler to detect successful obliteration of carotid-cavernous fistulas. Technical note, 634
OEN TS. See Front D, 203
OGILVIE RW, BALENTINE JD. Oxygen tension in spinal cord gray matter during exposure to hyperbaric oxygen, 156
Oligemia
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 1: Pathophysiology, electroencephalography, cerebral blood flow, blood-brain barrier, and neurological function, 308
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 2: Brain morphology, 318
Experimental cerebral oligemia and ischemia produced by intracranial hypertension. Part 3: Brain energy metabolism, 323
Oligodendrogliomas
Arteriovenous malformation and oligodendroglioma. Case report, 108
Late appearance of meningioma at the site of partially removed oligodendroglioma. Case report, 80
Optic chiasm
Giant suprasellar aneurysm associated with optic stalk agenesis and unilateral anophthalmos. Case report, 495
Microsurgical anatomy of the sellar region, 288
ORTIZ-SUAREZ H, ERICKSON DL. Pituitary adenomas of adolescents, 437
OSGOOD CP. See Dujovny M, 502
Osteolysis
Massive osteolysis of the skull. Case report, 92
OSTERHOLM JL. Book review, 115
OTT EO. See Aoyagi M, 689
———. See Kawamura Y, 676
Outflow resistance
Compartmental analysis of compliance and outflow resistance of the cerebrospinal fluid system, 523
Oxygen
Effects of increased intracranial pressure on cerebral blood volume, blood flow, and oxygen utilization in monkeys, 385
Oxygen tensions
Oxygen tension in spinal cord gray matter during exposure to hyperbaric oxygen, 156
$PaCO_2$
Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676
PADAR SC. Air gun pellet embolizing the intracranial internal carotid artery. Case report, 222
PADBERG G. See Coenegracht JM, 239
Pain
Intrathecal saline injections for control of pain. Letters to the editor, 510
Percutaneous trial of stimulation for patient selection for implantable stimulating devices, 440
Suprascapular entrapment neuropathy, 337
Threshold for pain from anterolateral quadrant stimulation as a predictor of success of percutaneous cordotomy for relief of pain, 445
Paraplegia
Blood flow in normal and injured monkey spinal cord, 162
Extradural guinea-worm abscess. Report of two cases, 627
Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457
Spinal cord compression by extramedullary hemopoietic tissue in sickle cell anemia. Case report, 483
Paresis
Meningomyelocele and progressive hydromyelia. Progressive paresis in myelodysplasia, 457
PARRY SW, SCHUHMACHER JF, LLEWELLYN RC. Abdominal pseudocysts and ascites formation after ventriculoperitoneal shunt procedures. Report of four cases, 476
PAUL RL, MICHAEL RH, DUNN JE, WILLIAMS JP. Anterior transthoracic surgical decompression of acute spinal cord injuries, 299
PAULI FJ. See Chandler WF, 614
pCO_2
Method for measuring brain pressure. Response to alteration in pCO_2, systemic blood pressure, and middle cerebral artery occlusion, 1
Miniature intravascular pCO_2 sensors in neurosurgery, 172
PEIRCE KR, LOESER JD. Perforation of the intestine by a Raimondi peritoneal catheter. Case report, 112
PENNER JA. See McGauley JL, 374
PENNING L. See Front D, 203
Pentobarbital
Oxygen tension in spinal cord gray matter during exposure to hyperbaric oxygen, 156
Peripheral nerves
Percutaneous trial of stimulation for patient selection for implantable stimulating devices, 440
Peritonitis
Perforation of the intestine by a Raimondi peritoneal catheter. Case report, 112
PEVEHOUSE BC. See Clark WK, 118
PHAIR JP. See Picardi JL, 717
Phantom limb pain
Dorsal column stimulation for phantom limb pain. Letter to the editor, 250
Dorsal column stimulation for phantom limb pain. Response. Letter to the editor, 250

PHELPS ME. See Grubb RL Jr, 385
Phenoxybenzamine
Chronic cerebral artery spasm. The role of intracranial pressure, 408
PICARDI JL, LEWIS HP, TAN JS, PHAIR JP. Clindamycin concentrations in the central nervous system of primates before and after head trauma, 717
PITTS LH, WILSON CB, DEDO HH, WEYAND R. Pneumocephalus following ventriculoperitoneal shunt. Case report, 631
Pituitary gland
Microsurgical anatomy of the sellar region, 288
Transsphenoidal selective anterior hypophysectomy in cats for microsurgical training. Technical note, 774
Pituitary glands
Pituitary adenomas of adolescents, 437
PLUM F. State of consciousness scoring system. Comment. Letter to the editor, 252
Pneumocephalus
Pneumocephalus following ventriculoperitoneal shunt. Case report, 631
PONS LC. See Isamat F, 608
Posterior fossa
Rhabdomyosarcoma of the brain. Case report, 215
PRAT J. See Isamat F, 608
Presidential address
The "future trends" in neurosurgery are here. The 1975 AANS presidential address, 651
Pressure pump
Automatically irrigated bipolar forceps. Technical note, 502
PRICE DD. See Mayer DJ, 445
Primate studies
Blood flow in normal and injured monkey spinal cord, 162
Central cholinergic control of cerebral blood flow in the baboon. Effect of cholinesterase inhibition with neostigmine on autoregulation and CO_2 responsiveness, 689
Clindamycin concentrations in the central nervous system of primates before and after head trauma, 717
Effects of increased intracranial pressure on cerebral blood volume, blood flow, and oxygen utilization in monkeys, 385
Neurogenic control of cerebral blood flow in the baboon. Effects of the cholinergic inhibitory agent, atropine, on cerebral autoregulation and vasomotor activity to changes in $PaCO_2$, 676
Spinal cord blood flow. Letter to the editor, 782
Spinal cord blood flow. Response. Letter to the editor, 782
PRIOLEAU GR, WILSON CB. Cervical spondylolysis with spondylolisthesis. Case report, 750
Prophylaxis
Prophylactic antibiotics and wound infections following laminectomy for lumbar disc herniation. A retrospective study, 727
Pseudocysts
Abdominal pseudocysts and ascites formation after ventriculoperitoneal shunt procedures. Report of four cases, 476
Psychometric studies
Quality of survival following direct surgery for anterior communicating artery aneurysms, 58
Pulse rate
Intracranial pressure, blood pressure, and pulse rate after occlusion of a middle cerebral artery in cats, 399

RAAFAT M. See Sorour O, 742
RAB SM, BHATTI IH, GHANI A, KHAN A. Tuberculous brain abscess. Case report, 490
Radiation therapy
Late appearance of meningioma at the site of partially removed oligodendroglioma. Case report, 80
Neurological manifestations of primary rhabdomyosarcoma of the head and neck in children, 207
Radiation of infratentorial and supratentorial brainstem tumors, 65
RAICHLE ME. Book review, 247
———. See Grubb RL Jr, 385
RAIMONDI AJ. See Wozniak M, 535
RAO TS, SETHI PK. Persistent proatlantal artery with carotid-vertebral anastomosis. Case report, 499
RATCHESON RA. See Grubb RL Jr, 385
REEVES A. Book review, 780
REICHMAN OH. See Heilbrun MP, 706
RENN WH, RHOTON AL JR. Microsurgical anatomy of the sellar region, 288
Rhabdomyosarcoma
Neurological manifestations of primary rhabdomyosarcoma of the head and neck in children, 207
Rhabdomyosarcoma of the brain. Case report, 215
RHOTON AL JR. See Renn WH, 288
RIBEIRO TR. See Antunes ÁCM, 481
RIFAAT M. See Sorour O, 742
ROBERTS TS. See Heilbrun MP, 706
ROSENBERG A. See Calogero J, 191
ROSENBERG AL. See Heiden JS, 732
ROSENBLUM ML. See Hoshino T, 127
ROVIT RL. See Clark WK, 118
———. See Fleischer AS, 207
RUMBAUGH CL. Book review, 115

Saline injections
Intrathecal saline injections for control of pain. Letters to the editor, 510
SALMON JH. Book review, 378
SARNOWSKI RJ, CRACCO RQ, VOGEL HB, MOUNT F. Spinal evoked response in the cat, 329
SATO S, SUZUKI J. Anatomical mapping of the cerebral nervi vasorum in the human brain, 559
———, SUZUKI J. Ultrastructural observations of the capsule of chronic subdural hematoma in various clinical states, 569
———. See Terao H, 754
SAUR DP. See Weisberg LA, 177
Scans, radionuclide
Evaluation of postcraniotomy patients by radionuclide scan, 471

Index

SCHECHTER MM. Book review, 644
SCHIMKE RN. See Miner ME, 102
SCHMELKA D. See Ammoumi AA, 483
SCHNEIDER RC. The "future trends" in neurosurgery are here. The 1975 AANS presidential address, 651
SCHUHMACHER JF. See Parry SW, 476
SCHUT L. Book review, 641
Sciatica
  Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
Screw-clamps
  Screw-clamp stenosis for internal carotid aneurysms. Letter to the editor, 122
Sellar region
  Empty sella syndrome as complication of benign intracranial hypertension, 177
  Microsurgical anatomy of the sellar region, 288
SENGUPTA RP, CHIU JSP, BRIERLEY H. Quality of survival following direct surgery for anterior communicating artery aneurysms, 58
———, LASSMAN LP, DE MORAES AA, GARVAN N. Treatment of internal carotid bifurcation aneurysms by direct surgery, 343
Sensors
  Miniature intravascular pCO_2 sensors in neurosurgery, 172
Septum pellucidum
  Neuroepithelial (colloid) cysts of the septum pellucidum, 69
Serotonin
  Mechanisms of contractile response of cerebral artery to externally-applied fresh blood, 37
SETHI PK. See Rao TS, 499
SHATSKY SA, EVANS DE. High-speed angiography. Response. Letter to the editor, 509
SHEALY CN. Percutaneous radiofrequency denervation of spinal facets. Treatment for chronic back pain and sciatica, 448
SHENKIN HA. See Hash CJ, 104
SHER JH. See Ammoumi AA, 483
SHIM JH. See Hakuba A, 368
SHULMAN K. See Marmarou A, 523
Shunt, lumboperitoneal
  Cloverleaf skull syndrome. Case report, 86
  Percutaneous lumboperitoneal shunt. Technical note, 770
Shunt, ventriculoperitoneal
  Abdominal pseudocysts and ascites formation after ventriculoperitoneal shunt procedures. Report of four cases, 476
  Ascites from a ventriculoperitoneal shunt. Case report, 233
  Perforation of the intestine by a Raimondi peritoneal catheter. Case report, 112
  Pneumocephalus following ventriculoperitoneal shunt. Case report, 631
  Spontaneous umbilical fistula from ventriculoperitoneal shunt drainage. Report of two cases, 481
SHURTLEFF DB. Book review, 643
SIBLEY WA. See Friedlander WJ, 122
Sickle cell anemia
  Spinal cord compression by extramedullary hemopoietic tissue in sickle cell anemia. Case report, 483
SIEMSEN JK. See Waxman AD, 471
Silastic spheres
  Therapeutic percutaneous embolization for extra-axial vascular lesions of the head, neck, and spine, 275
SIMEONE FA, VINALL P. Mechanisms of contractile response of cerebral artery to externally-applied fresh blood, 37
SKALPE IO, AMUNDSEN P. Clinical results with metrizamide ventriculography, 432
Skull
  Massive osteolysis of the skull. Case report, 92
Skull fractures
  Analysis of the treatment of basilar skull fractures with and without antibiotics, 721
SLIWKA S. See Szewczykowski J, 136
Snodgrass, Samuel R.
  In memory of Samuel R. Snodgrass. Letter to the editor, 647
SNYCKERS FD. Transsphenoidal selective anterior hypophysectomy in cats for microsurgical training. Technical note, 774
SOROUR O, RAAFAT M, EL-BOLKAINY N, RIFAAT M. Infiltrative potentiality of brain tumors in organ culture, 742
Spasm, arterial
  Chronic cerebral artery spasm. The role of intracranial pressure, 408
SPETZLER RF, WILSON CB. Enlargement of an arteriovenous malformation documented by angiography. Case report, 767
———, WILSON CB, GROLLMUS JM. Percutaneous lumboperitoneal shunt. Technical note, 770
Sphenoid sinus
  Sphenoid sinus mucoceles. Report of two cases, 368
SPIEGEL PK. Book review, 378
Spina bifida
  Cervical spondylolysis with spondylolisthesis. Case report, 750
  Malignant teratoma arising within a lipomeningocele. Case report, 761
Spinal cord
  Anterior transthoracic surgical decompression of acute spinal cord injuries, 299
  Blood flow in normal and injured monkey spinal cord, 162
  Central necrosis of the spinal cord induced by hyperbaric oxygen pressure, 150
  Complete embolization of artery of Adamkiewicz to obliterate an intramedullary arteriovenous aneurysm. Case report, 486
  Concurrent intracranial and spinal cord arteriovenous malformations. Case report, 104
  Ependymal cyst of the spinal cord. Case report, 757
  Experimental cervical myelopathy. Effects of ischemia and compression of the canine cervical spinal cord, 9
  Management of cervical spinal cord trauma in Southern California, 732
  Oxygen tension in spinal cord gray matter during exposure to hyperbaric oxygen, 156
  Spinal cord blood flow. Letter to the editor, 782

Spinal cord blood flow. Response. Letter to the editor, 782
Spinal cord compression by extramedullary hemopoietic tissue in sickle cell anemia. Case report, 483
Spinal evoked response in the cat, 329
Threshold for pain from anterolateral quadrant stimulation as a predictor of success of percutaneous cordotomy for relief of pain, 445
Spinal cord injury
Grading animals with spinal cord injury. Letter to the editor, 646
Grading animals with spinal cord injury. Response. Letter to the editor, 647
Spinal-accessory nerve
Central functional changes after facial-spinal-accessory anastomosis in man and facial-hypoglossal anastomosis in the cat, 181
Spondylolisthesis
Cervical spondylolysis with spondylolisthesis. Case report, 750
Spondylosis, cervical
Cervical spondylolysis with spondylolisthesis. Case report, 750
Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report, 618
STEIN BM. Book review, 507
STEIN HL. See Decker RE, 486
Stenosis
Screw-clamp stenosis for internal carotid aneurysms. Letter to the editor, 122
Stenosis, aqueductal
Clinical manifestations of aqueductal stenosis in adults, 546
Deficiency of gonadotropin-releasing factor in a patient with hydrocephalus internus. Case report, 239
STERN WE. Book review, 642
SUBCZYNSKI JA. State of consciousness scoring system. Letter to the editor, 251
Subdural hematomas
Bedside evacuation of chronic subdural hematomas. Letter to the editor, 381
Bedside evacuation of chronic subdural hematomas. Response. Letter to the editor, 381
Clinical, arteriographic, and cisternographic observations after removal of acute subdural hematoma, 27
Mechanism of transient ischemia. Letter to the editor, 647
Mechanism of transient ischemia. Response. Letter to the editor, 648
Superimposed chronic subdural hygromas. Report of two cases, 623
Ultrastructural observations of the capsule of chronic subdural hematoma in various clinical states, 569
SUGITA K, HIROTA T, TSUGANE R. Application of nasopharyngeal mirror for aneurysm operation. Technical note, 244
SULLIVAN HG, HARBISON JW, VINES FS, BECKER DP. Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report, 618
SULZER E. See Neumark J, 172
SUNDT TM JR. Management of ischemic complications after subarachnoid hemorrhage, 418
Suprascapular nerve
Suprascapular entrapment neuropathy, 337
Survival
Evaluation of postcraniotomy patients by radionuclide scan, 471
Long-term survival of patients treated with BCNU for brain tumors, 191
Quality of survival following direct surgery for anterior communicating artery aneurysms, 58
SUZUKI J. See Sato S, 559
———. See Sato S, 569
SWEET WH. See Crowell RM, 108
Sympathectomy
Vasospastic dystrophy of the hand. Case report, 764
Syringomyelia
Experimental hydrosyringomyelia, ischemic myelopathy, and syringomyelia, 464
SZEWCZYKOWSKI J, SLIWKA S, KUNICKI A, KORSAKSLIWKA J, DZIDUSZKO J, DYTKO P, AUGUSTYNIAK B. Computer assisted analysis of intraventricular pressure after mannitol administration, 136

TAGASHIRA Y. See Aoyagi M, 689
———. See Kawamura Y, 676
TAKAHAMA M. See Nagashima C, 74
TAN JS. See Picardi JL, 717
TANAKA J, GARCIA JH, NETSKY MG, WILLIAMS JP. Late appearance of meningioma at the site of partially removed oligodendroglioma. Case report, 80
TATOR CH. Grading animals with spinal cord injury. Response. Letter to the editor, 647
Technical notes
Application of nasopharyngeal mirror for aneurysm operation. Technical note, 244
Automatically irrigated bipolar forceps. Technical note, 502
Bedside evacuation of chronic subdural hematomas. Letter to the editor, 381
Bedside evacuation of chronic subdural hematomas. Response. Letter to the editor, 381
Collagen sponge for surface brain protection. Technical note, 637
Intraoperative use of Doppler to detect successful obliteration of carotid-cavernous fistulas. Technical note, 634
Modified disc rongeur. Technical note, 504
Transsphenoidal selective anterior hypophysectomy in cats for microsurgical training. Technical note, 774
Vasospastic dystrophy of the hand. Case report, 764
Watertight closure of spinal dura mater. Technical note, 639
TEDESCHI G, BERNINI FP, CERILLO A. Indications for surgical treatment of intracerebral hemorrhage, 590
Temporal lobe
Clinical manifestations of aqueductal stenosis in adults, 546

Temporal lobe seizures with additional foci treated by resection, 596
TERAO H, SATO S. Ventriculo-orbital fistula in closed head injury. Case report, 754
Teratoma
Malignant teratoma arising within a lipomeningocele. Case report, 761
Thalamus
Intrathalamic epidermoid tumor. Case report, 614
Thermography
Thermography in the management of carotid-cavernous fistulas, 352
Third cranial nerve
Bilateral aberrant regeneration of the third cranial nerve following trauma. Case report, 95
Thrombosis
Deep vein thrombosis. Letter to the editor, 510
Deep vein thrombosis. Response. Letter to the editor, 511
Tomography
Micro- and macrovascular changes as the direct cause of parenchymal destruction of congenital murine hydrocephalus, 535
Transient ischemia attacks
Regional cerebral blood flow studies following superficial temporal-middle cerebral artery anastomosis, 706
Trauma
Electrospinogram and spinal and cortical evoked potentials in experimental spinal cord trauma, 737
Management of cervical spinal cord trauma in Southern California, 732
Treatment of vertebrojugular fistula by balloon occlusion. Case report, 362
Trauma, brain
Diagnosis and treatment of diffuse intravascular coagulation following cerebral trauma. Case report, 374
Trigeminal neuralgia
Meningiomas of Meckel's cave, 197
TRUSLER GA. See Humphreys RP, 671
TSUGANE R. See Sugita K, 244
Tuberculosis
Tuberculous brain abscess. Case report, 490
Tumors. *See* neoplasms
TYSON JW. See Witherspoon LR, 142

Ultrasound
Intraoperative use of Doppler to detect successful obliteration of carotid-cavernous fistulas. Technical note, 634

VAN ALLEN MW. See Friedlander WJ, 122
VAN BUREN JM. Book review, 116
———, AJMONE MARSAN C, MUTSUGA N. Temporal lobe seizures with additional foci treated by resection, 596
VANDERARK GD. See Ignelzi RJ, 721
VAS R. See Dujovny M, 502
Vasospasm
Management of ischemic complications after subarachnoid hemorrhage, 418
Mechanisms of contractile response of cerebral artery to externally-applied fresh blood, 37
Vasospastic dystrophy of the hand. Case report, 764
Ventriculography
Clinical results with metrizamide ventriculography, 432
Isotope cisternography and ventriculography in congenital anomalies of the central nervous system, 18
Ventriculo-orbital fistula in closed head injury. Case report, 754
VERA CL, LEWIN MG, KASE JC, CALDERON MDT. Central functional changes after facial-spinal-accessory anastomosis in man and facial-hypoglossal anastomosis in the cat, 181
VERITY MA. See Mosso JA, 757
VINALL P. See Simeone FA, 37
VINES FS. See Sullivan HG, 618
VISE WM. See Yashon D, 579
Visual field
Embolic posterior cerebral artery occlusion secondary to spondylitic vertebral artery compression. Case report, 618
VOGEL HB. See Sarnowski RJ, 329

WALKER AE. Book review, 114
———. Book review, 506
WALTZ AG. See Cohen HP, 32
———. See Hayakawa T, 399
WARD AA JR. See Friedlander WJ, 122
WAXMAN AD, SIEMSEN JK, WOLFSTEIN RS, KURZE T. Evaluation of postcraniotomy patients by radionuclide scan, 471
WEIDMANN MJ. Ascites from a ventriculoperitoneal shunt. Case report, 233
WEISBERG LA, HOUSEPIAN EM, SAUR DP. Empty sella syndrome as complication of benign intracranial hypertension, 177
WEISS MH. See Heiden JS, 732
———. See Kurze T, 637
WELSH F. See Marshall LF, 308
———. See Marshall LF, 318
———. See Marshall LF, 323
WEYAND R. See Pitts LH, 631
WHISLER WW. See Clark WK, 118
WILLIAMS JP. See Matjasko MJ, 634
———. See Paul RL, 299
———. See Tanaka J, 80
WILSON CB. See Calogero J, 191
———. See Gooding MR, 9
———. See Hankinson HL, 452
———. See Hoshino T, 127
———. See Pitts LH, 631
———. See Prioleau GR, 750
———. See Spetzler RF, 767
———. See Spetzler RF, 770
WINESTOCK D. See Hoff JT, 495

WITHERSPOON LR, MAHALEY MS JR, LEONARD JR, TYSON JW, HARRIS CG, GOODRICH JK. Cerebral dynamic studies for early detection of recurrent anaplastic intracranial gliomas, 142
WOLFSTEIN RS. See Waxman AD, 471
WOZNIAK M, MCLONE DG, RAIMONDI AJ. Micro- and macrovascular changes as the direct cause of parenchymal destruction of congenital murine hydrocephalus, 535
YASHON D, MAGNESS AP 2ND, VISE WM. Systemic hypotension in neurosurgery, 579
———. See Bingham WG Jr, 162
YOKOTA A. See Matsukado Y, 215
YOUNG HF. See Mayer DJ, 445

ZIMMERMAN HM. Book review, 779
———. See Llena JF, 98
ZIVIN I. See Ciric I, 69

0144-72